## ABSTRACT OF THE DISCLOSURE

Disclosed is a stirling cooler, in which a cylinder is fixedly installed in a case, a flange is protruded perpendicularly from an outer surface of the cylinder in a radial direction of the cylinder, a stair on which the flange is seated is installed in the case in an axial direction of the cylinder, and a packing is interposed between the stair of the case and the flange of the cylinder, thereby preventing the packing from influencing an axis of the cylinder and thus maintaining the sealed state between the case and the cylinder.